

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A dry solid particle mixture for equalizing radial and lateral force variations at the tire/road footprint of a pneumatic tire, wherein

- (a) the particles forming said particle mixture are freely flowable and non-tacky at elevated temperatures;
- (b) said particle mixture is essentially devoid of liquid material;
- (c) said particle mixture comprises a plurality of sets of particles, wherein each set consists essentially of particles of a predetermined size or size range;[[and]]
- (d) said particle mixture exhibits a multimodal particle size distribution; and
- (e) said particles are in a size range substantially between 60-270 U.S. screen size.

Claim 2 (original) A particle mixture according to claim 1, wherein said particle mixture comprises spheres of a first diameter and spheres of a second diameter.

Claim 3 (original) A particle mixture according to claim 1, wherein said particle mixture comprises a first set of particles having a first size range and a second set of particles having a second size range, the particle size distribution of said particle mixture being characterized by at least two peaks.

Claim 4 (currently amended) A particle mixture according to claim 1, wherein said particle mixture comprises a first set of particles having a first size range, a second set of particles having a second size range, a third set of particles having a third size range, wherein the particle size[[s]] ranges do not overlap.

Claim 5 (original) A particle mixture according to claim 1, wherein said particles forming said particle mixture have a specific gravity greater than 1.

Claim 6 (original) A particle mixture according to claim 1, wherein said particles forming said

particle mixture have sufficient hardness to prevent them from degrading while tumbling in said tire.

Claim 7 (original) The particle mixture according to claim 1, wherein said mixture comprises polymeric resin particles.

Claim 8 (original) The particle mixture according to claim 7, wherein said particle mixture includes substantially 70% by weight of said polymeric resin and 28% by weight of a cellulose material.

Claim 9 (original) The particle mixture according to claim 7, wherein said polymeric resin is a thermoset material.

Claim 10 (currently amended) A dry solid particle mixture for equalizing radial and lateral force variations at the tire/road footprint of a pneumatic tire, wherein

(a) the particles forming said particle mixture are freely flowable and non-tacky at elevated temperatures;

(b) said particle mixture is essentially devoid of liquid material;

(c) said particle mixture comprises a plurality of sets of particles, wherein each set consists essentially of particles of a predetermined size or size range; and

(d) said particle mixture exhibits a multimodal particle size distribution; and

(e) said mixture comprises polymeric resin particles ~~The particle mixture according to claim 7,~~ wherein said polymeric resin is a thermoplastic material.

Claim 11 (currently amended) A dry solid particle mixture for equalizing radial and lateral force variations at the tire/road footprint of a pneumatic tire, wherein

(a) the particles forming said particle mixture are freely flowable and non-tacky at elevated temperatures;

(b) said particle mixture is essentially devoid of liquid material;

(c) said particle mixture comprises a plurality of sets of particles, wherein each set

consists essentially of particles of a predetermined size or size range; and

(d) said particle mixture exhibits a multimodal particle size distribution; and

(e) The particle mixture according to claim 1, wherein one set of particles is made of fiberglass.

Claim 12 (original) A particle mixture according to claim 11, wherein said fiberglass particles are in a size range substantially between 130-200 U.S. screen size.

Claim 13 (original) A particle mixture according to claim 1, further comprising a lubricant material.

Claim 14 (original) A particle mixture according to claim 13, wherein said lubricant particles are in a size range substantially between 200-325 U.S. screen size.

Claim 15 (original) A particle mixture according to claim 13, wherein said particle mixture comprises 15-30% lubricant material by weight.

Claim 16 (original) A particle mixture according to claim 13, wherein said lubricant is talc.

Claim 17 (original) A particle mixture according to claim 13, wherein said lubricant is corn starch.

Claim 18 (original) A particle mixture according to claim 13, wherein said lubricant is an anti-agglomeration agent.

Claim 19 (original) A particle mixture according to claim 1, wherein the mixture exhibits a multimodal particle size characteristic when plotted on a particle weight percentage versus particle size diameter basis.

Claim 20 (canceled)